ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M115847	Client: Alaskan Copper Works	
Date Received:	03/01/07	Project: PO# M115847, F&BI 7030	014
Date Extracted:	03/02/07	Lab ID: 703014-01 x10	
Date Analyzed:	03/05/07	Data File: 703014-01 x10.056	
Matrix:	Water	Instrument: ICPMS1	
Units:	ug/L (ppb)	Operator: HR	
	alling of the allies at the si	The Art and Artist to the Times Artist	

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	121	60	125
Indium	116	60	125
Bismuth	101	60	125

	Concentration
Analyte:	ug/L (ppb)
Chromium	530
Nickel	356
Copper	190 J
Zinc	47.6 J

J - The LCS associated with the analyte is out of control limits. The reported value should be considered an estimate.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

	Client ID:	Method Blank	Client:	Alaskan Copper Works
E	Date Received:	Not Applicable	Project:	PO# M115847, F&BI 703014
	Date Extracted:	03/02/07	Lab ID:	I7-79 mb
	Date Analyzed:	03/05/07	Data File:	I7-79 mb.024
	Matrix:	Water	Instrument:	ICPMS1
	Units:	ug/L (ppb)	Operator:	HR

용하다 되었다고 보이 나는 그림을		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	111	60	125
Indium	117	60	125
Bismuth	121	60	125

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	Concentration
Analyte:	ug/L (ppb)
결과 원리들의 경기 있는 경기를 받는 것을	
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<2

ENVIRONMENTAL CHEMISTS

Date of Report: 03/08/07 Date Received: 03/01/07

Project: 8600 Acid Tank, PO# M115847, F&BI 703014

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS BY EPA METHOD 200.8

Laboratory Code: 702289-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/kg (ppm)	2.41	2.43	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-20
Nickel	mg/kg (ppm)	6.33	6.36	0	0-20
Copper	mg/kg (ppm)	10.4	11.4	9	0-20
Zinc	mg/kg (ppm)	16.0	18.4	14	0-20

Laboratory Code: 702289-01 (Matrix Spike)

					Percent		and the second	
		Spike		Sample	Recovery		Acceptance	e
Analyte	Reporting Units	Level	30	Result	MS	* 7.8 **	Criteria	
Chromium	mg/kg (ppm)	20		2.41	97		50-150	
Nickel	mg/kg (ppm)	20		6.33	98 b		50-150	
Copper	mg/kg (ppm)	20		10.4	100 b		50-150	4 2 8 3
Zinc	mg/kg (ppm)	50		16.0	104 b		50-150	

Laboratory Code: Laboratory Control Sample

			Percent		
		Spike	Recovery	Acceptance	Э .
Analyte	Reporting Units	Level	LCS	Criteria	***
Chromium	mg/kg (ppm)	20	130	70-130	T.
Nickel	mg/kg (ppm)	20	127	70-130	
Copper	mg/kg (ppm)	20	131 vo	70-130	
Zinc	mg/kg (ppm)	50	133 vo	70-130	

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

vo - The value reported fell outside the control limits established for this analyte.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

March 8, 2007



INVOICE # 07ACU0308-2

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project 8600 Acid Tank, PO# M115847, F&BI 703014 - Results of testing requested by Gerry Thompson for material submitted on March 1, 2007.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 200.8 @ \$80 per sample \$80.00

Rush Charges (4 day) 60% of \$80.00

Amount Due \$128.00

FEDERAL TAX ID #(b) (6)

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Samples received at_

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

March 8, 2007

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on March 1, 2007 from the 8600 Acid Tank, PO# M115847, F&BI 703014 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures ACU0308R